



Possible Chances

Players: 2 or more

Students convert fractions to percents as they predict the chances of drawing certain cards.

Materials

one shuffled deck of cards with jokers removed
Possible Chances Game Sheet, one per player (page 38)
pencils and erasers

NOTE: This game is designed for older students.

The Way to Play

- 1 Player 1 stacks the cards facedown in a pile and draws two cards.
- 2 Player 1 crosses out the two cards on the game sheet. The player then circles all the cards that have the same value as the cards drawn or that fall between the two card values.
- 3 Player 1 figures out the chances of the next card drawn being one of the circled cards. The player fills out the game sheet, following the example at right.
- 4 Player 1 predicts whether or not the next card will be one of the circled numbers. The player draws a card and scores 1 point if the prediction was correct. The player returns all the cards to the deck, shuffles it, and the turn ends.
- 5 Player 2 takes a turn in the same way.
- 6 Play continues until each player had filled in the three boxes on the game sheet. Before each turn begins, players erase the numbers circled at the top of the game sheet.
- 7 The player with the most points at the end of the game wins.

Example:

Player 1 draws a 6 of diamonds and a queen of hearts.

The player crosses out these two cards and circles all the cards with the same value or between the two values.

The player fills in the game sheet.

Name _____ Date _____

Possible Chances Game Sheet

♥	1	2	3	4	5	6	7	8	9	10	J	Q	K
♦	1	2	3	4	5	X	7	8	9	10	J	Q	K
♣	1	2	3	4	5	6	7	8	9	10	J	Q	K
♠	1	2	3	4	5	6	7	8	9	10	J	Q	K

Number of cards drawn	2
Number of cards circled	26
Number of cards left in the deck	50
Fraction representing circled cards	26/50
Fraction representing the percent of circled cards	52/100
Percent of chance	52%

The player predicts that the next card will be one of the circled cards. The player draws a 7 and scores a point.

Variation

For a less challenging game, have students leave the shaded sections blank.